

**DECCAN COLLEGE OF ENGINEERING & TECHNOLOGY**  
DAR-US-SALAM, HYDERABAD - 500 001

**LIST OF EQUIPMENT**

**METALLURGY LAB**

<b>S.No.</b>	<b>NAME OF THE EQUIPMENT</b>
01.	Metallurgical Microscopes
02.	Single disc Polishing Machines
03.	Belt type Grinding Machines
04.	Specimen Mounting Press
05.	Transparent Models (FCC, BCC & Simple)
06.	Specimen levelers
07.	Scissors 9
08.	Wall Clock
09.	Stapler
10.	Hardness Tester (Rockwell)
11.	Furnace (Portable)
12.	Hair Dryers

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**METALLURGY LAB**

**LIST OF EXPERIMENTS**

1. Observation and Metallographic study of Grey Cast Iron.
2. Observation and Metallographic study of Nodular Cast Iron.
3. Observation and Metallographic study of Malleable Cast Iron.
4. Observation and Metallographic study of Low Carbon Steel.
5. Observation and Metallographic study of Medium Carbon Steel.
6. Observation and Metallographic study of High Carbon Steel.
7. Observation and Metallographic study of Annealed Low Carbon Steel.
8. Observation and Metallographic study of Normalised Low Carbon Steel.
9. Observation and Metallographic study of Hardened Low Carbon Steel.
10. Observation and Metallographic study of Medium Temperature tempered steel.
11. Rockwell Hardness Test for Hardened steel specimen before and after hardening.